

Title (en)  
Infra-red catalytic combustion device

Title (de)  
Katalytische Infrarotverbrennungsvorrichtung

Title (fr)  
Dispositif de combustion catalytique émettant un rayonnement infrarouge

Publication  
**EP 1039219 B1 20040506 (FR)**

Application  
**EP 00420038 A 20000218**

Priority  
FR 9903905 A 19990325

Abstract (en)  
[origin: EP1039219A1] The burner assembly (1) comprises of a combustion chamber (2) comprising of a heat permeable surface (3) that is adapted for the passage of the combustible mixture. Above that is located an isolation layer (8) and a heat diffusing layer (11). The fuel and combustion air mixture is combusted within the combustion chamber and the layers heated. The diffusing layer diffuses the heat through the heat reflective surface toward the oven or curing kiln.

IPC 1-7  
**F23D 14/18**; **F23D 14/66**

IPC 8 full level  
**F23D 14/18** (2006.01); **F23D 14/66** (2006.01)

CPC (source: EP US)  
**F23D 14/18** (2013.01 - EP US); **F23D 14/66** (2013.01 - EP US); **Y02E 20/34** (2013.01 - EP US)

Cited by  
CN104272025A; CN104279565A; CN107401742A; US10605451B2; WO2014005751A3

Designated contracting state (EPC)  
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